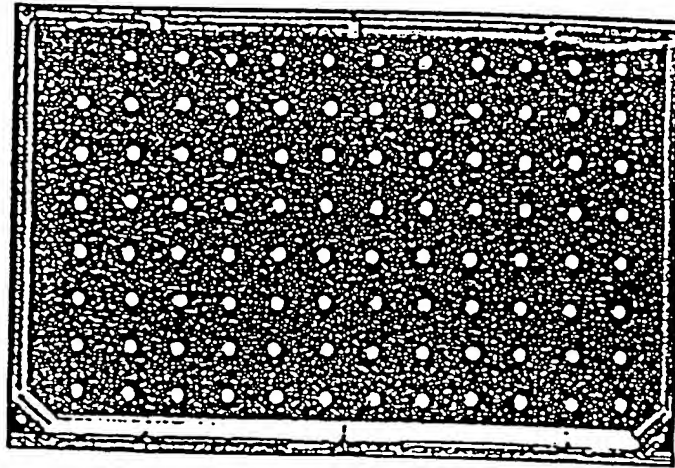


**FIG. 1**



*FIG. 2*

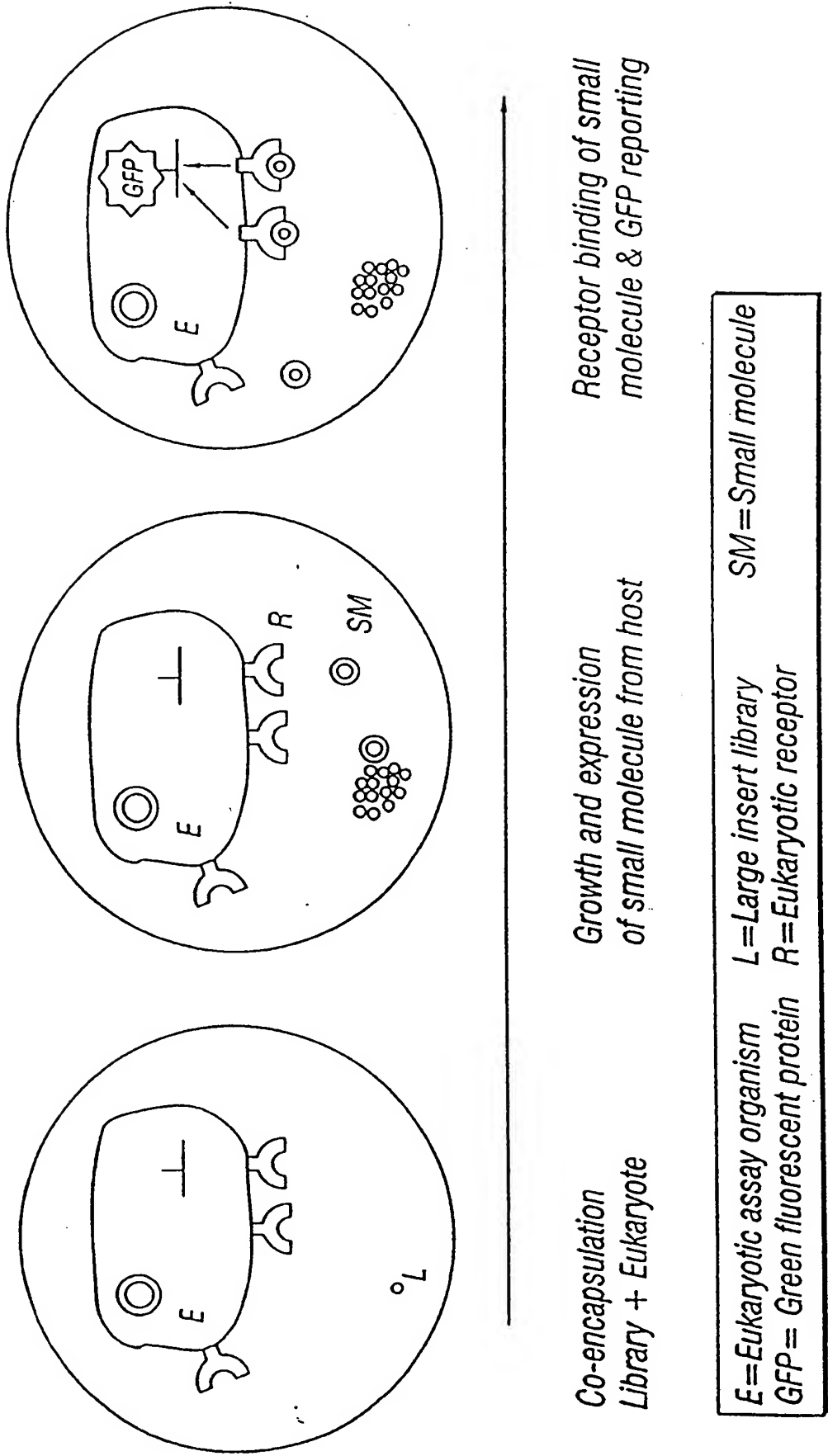


FIG. 3

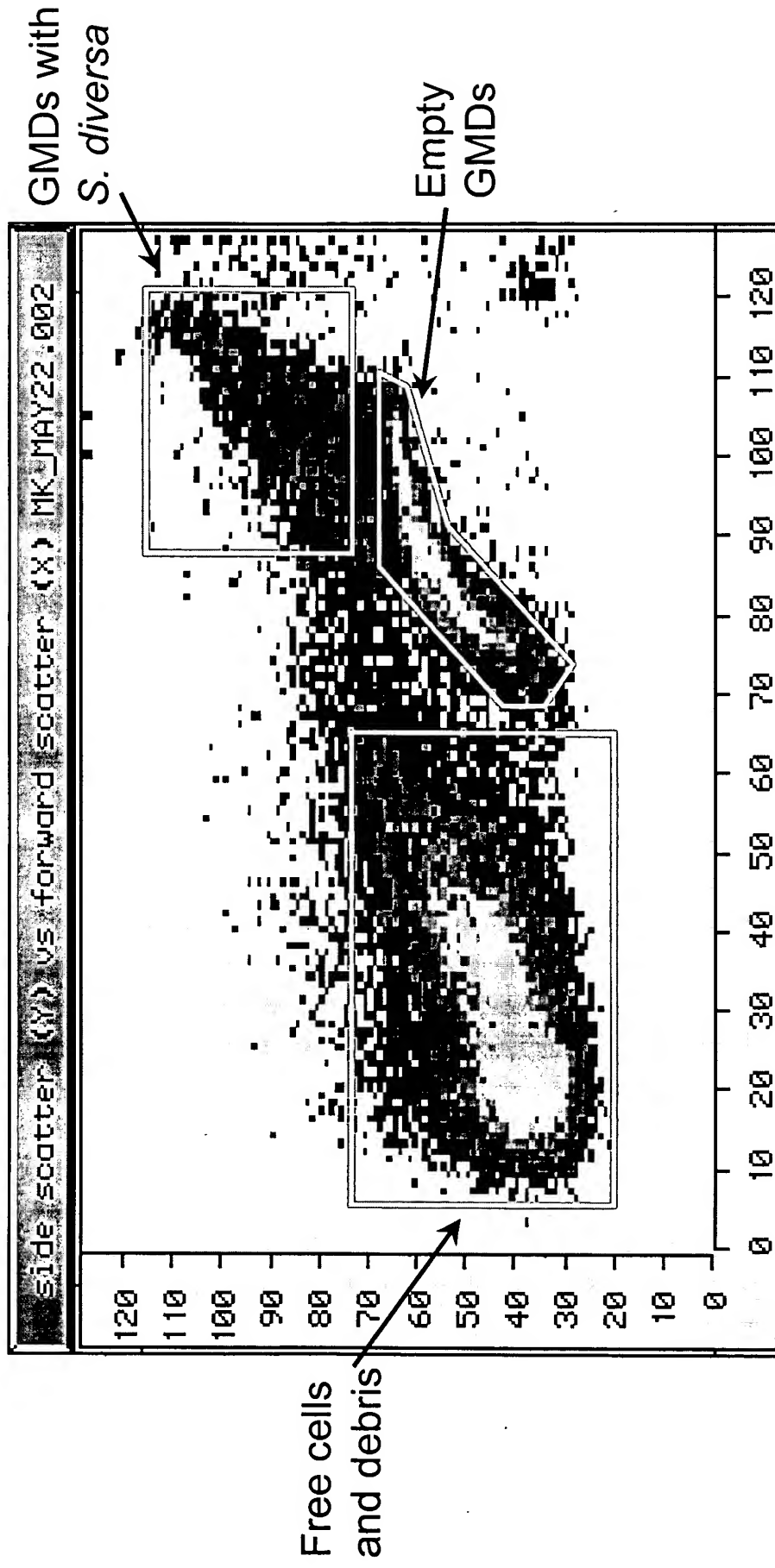
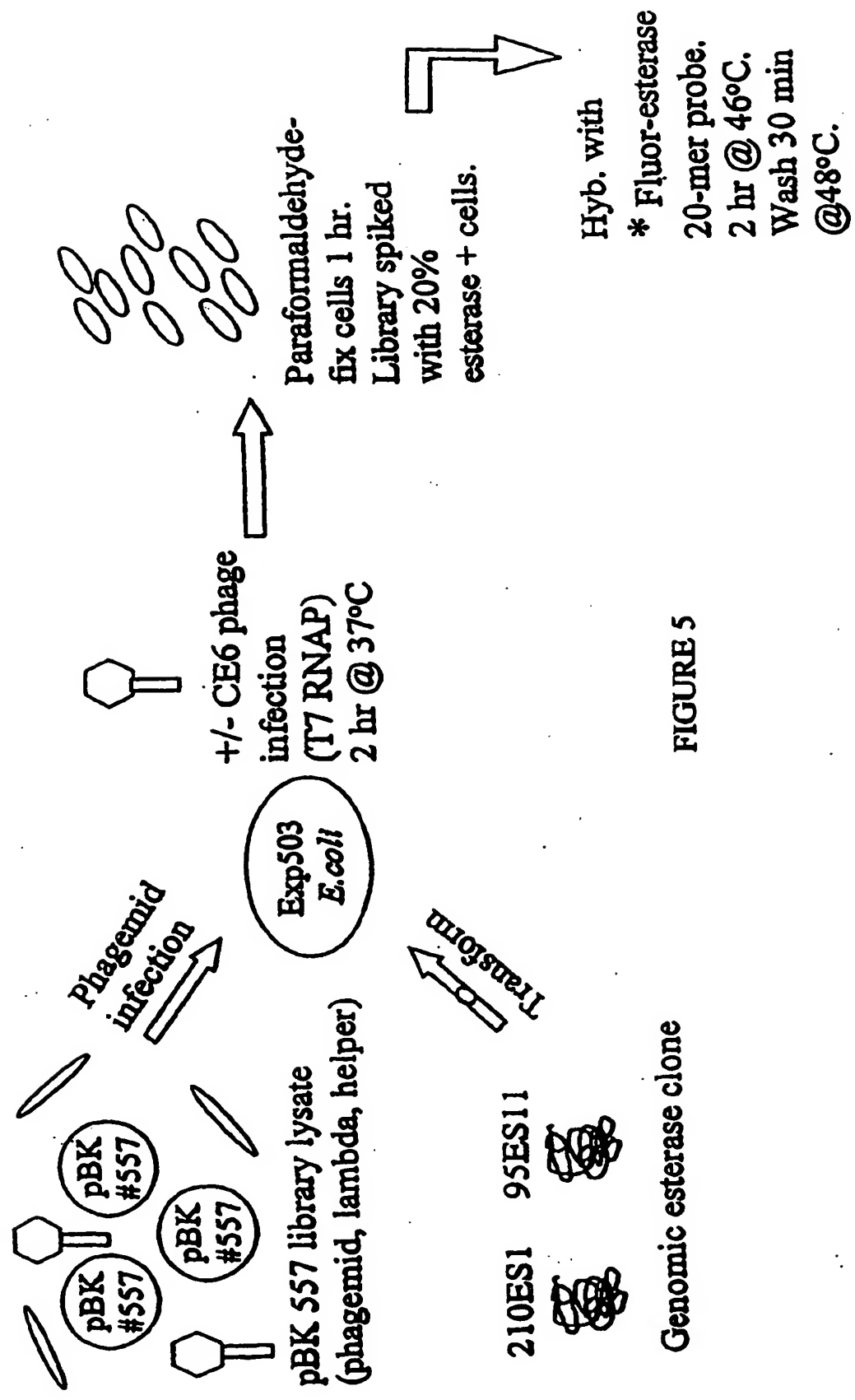


Fig 4

# Whole Cell Hybridization Protocol (+ control)



Genomic esterase clone

FIGURE 5

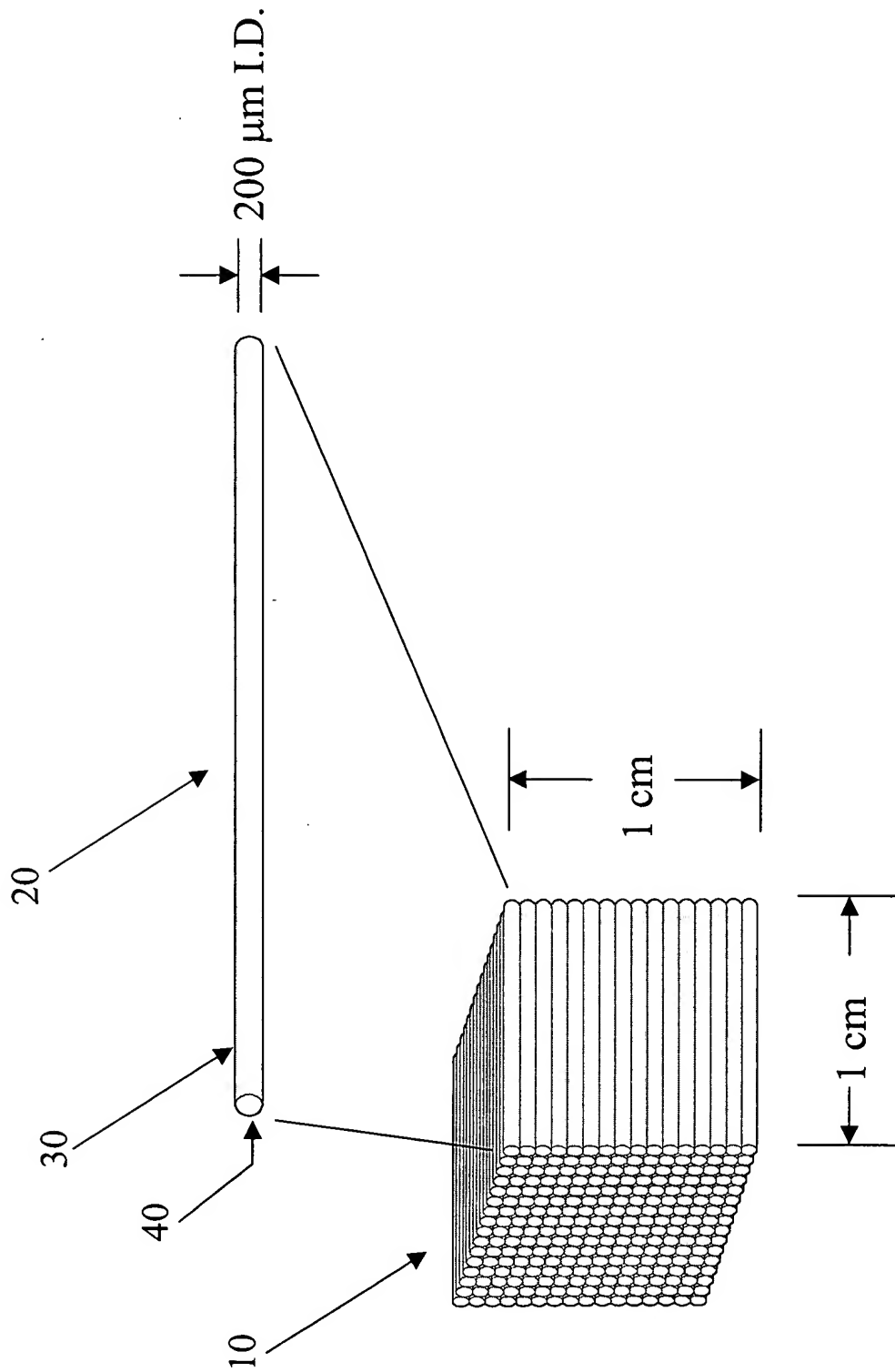


Fig. 6A

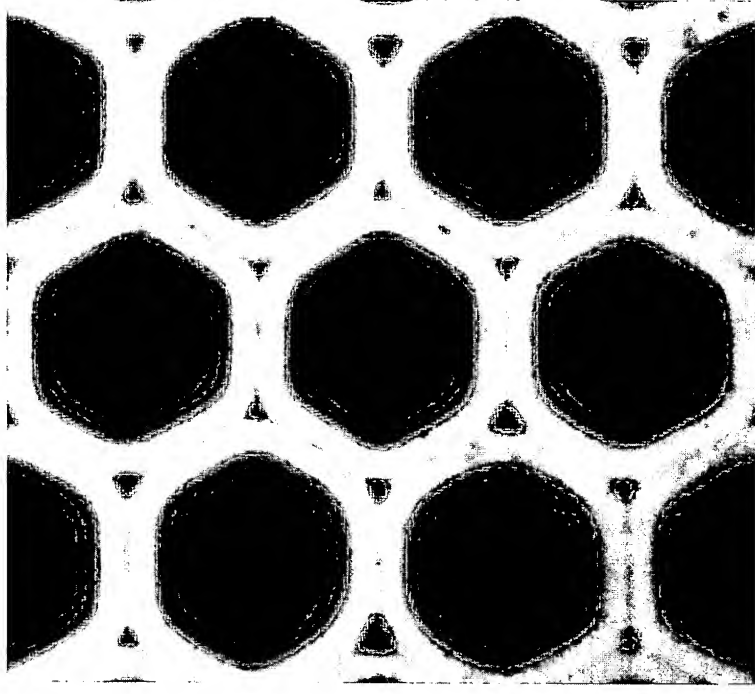


Fig. 6B

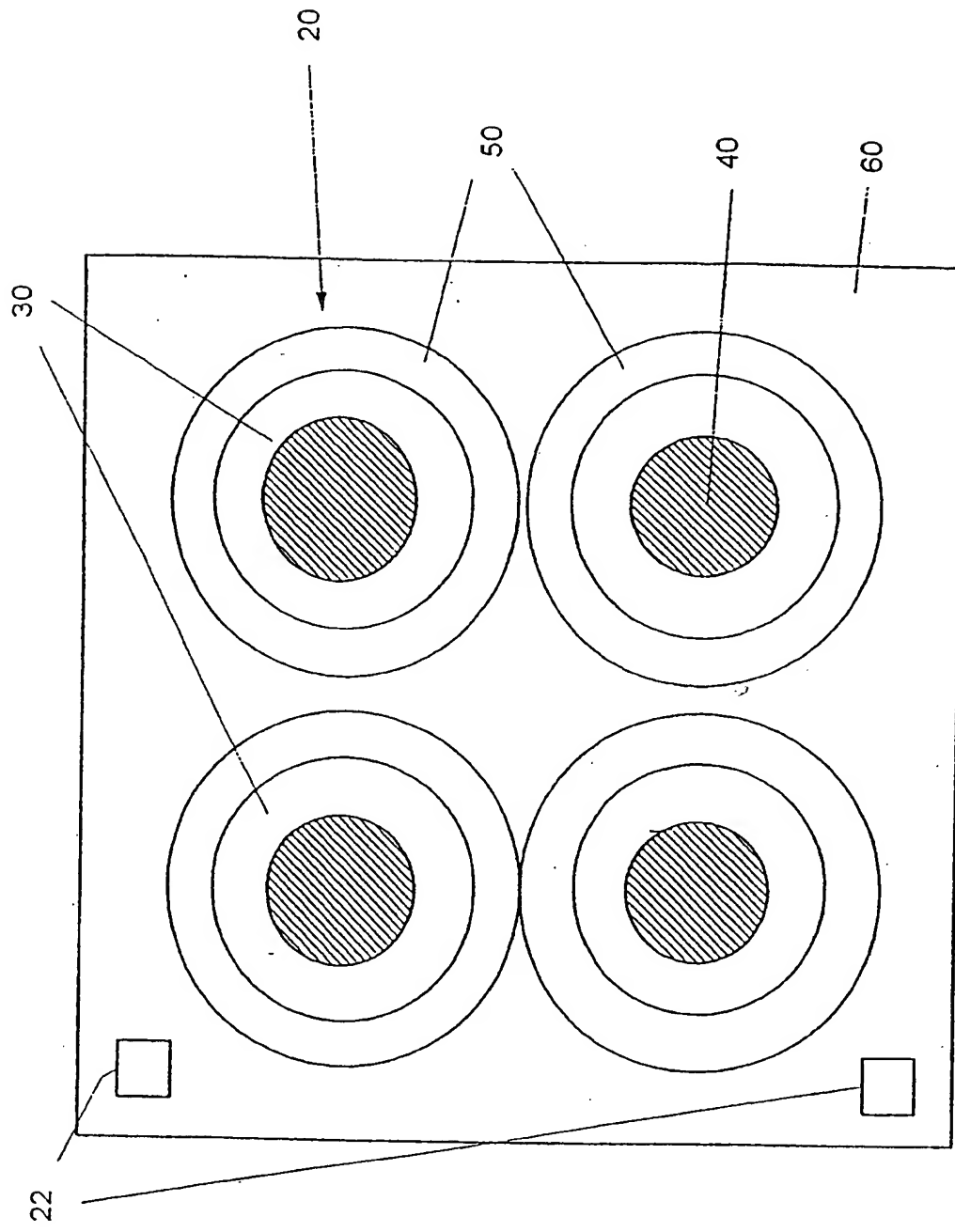


FIG. 7



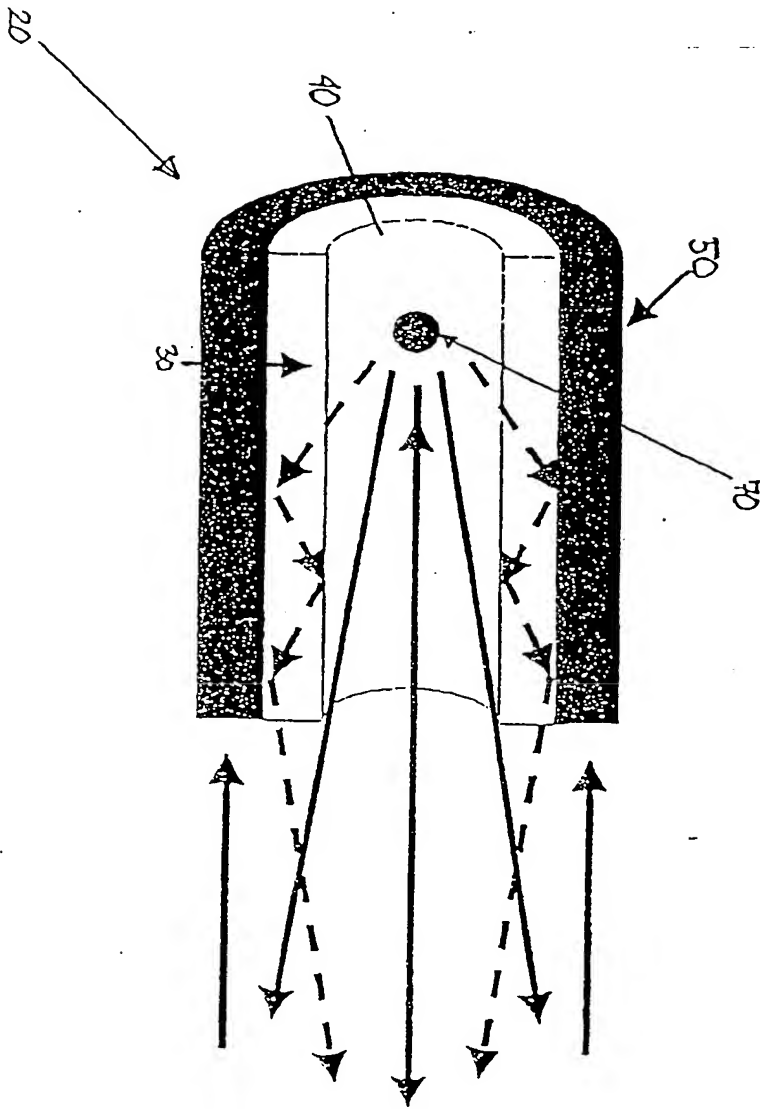


Figure  
8

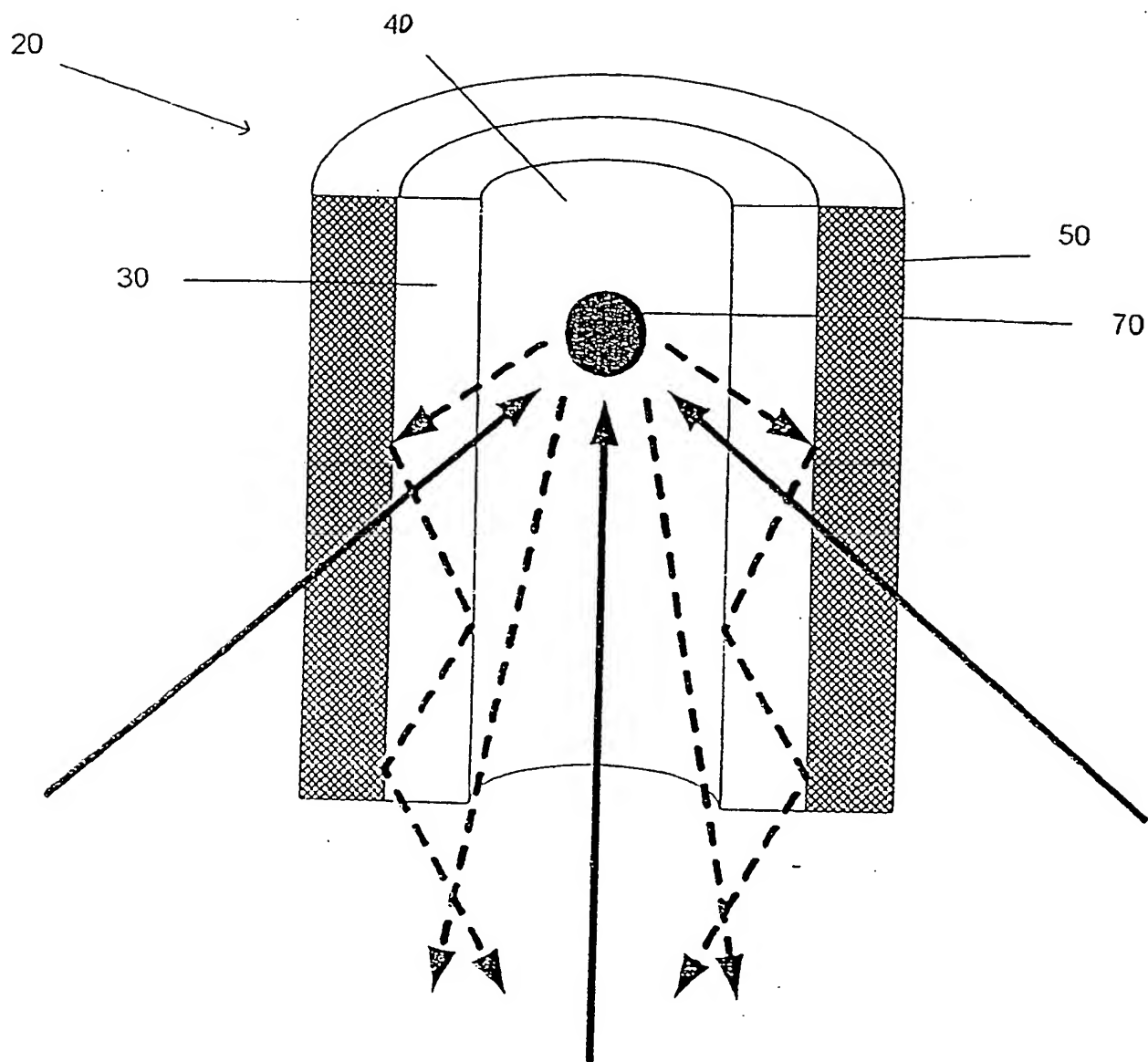


Figure  
9

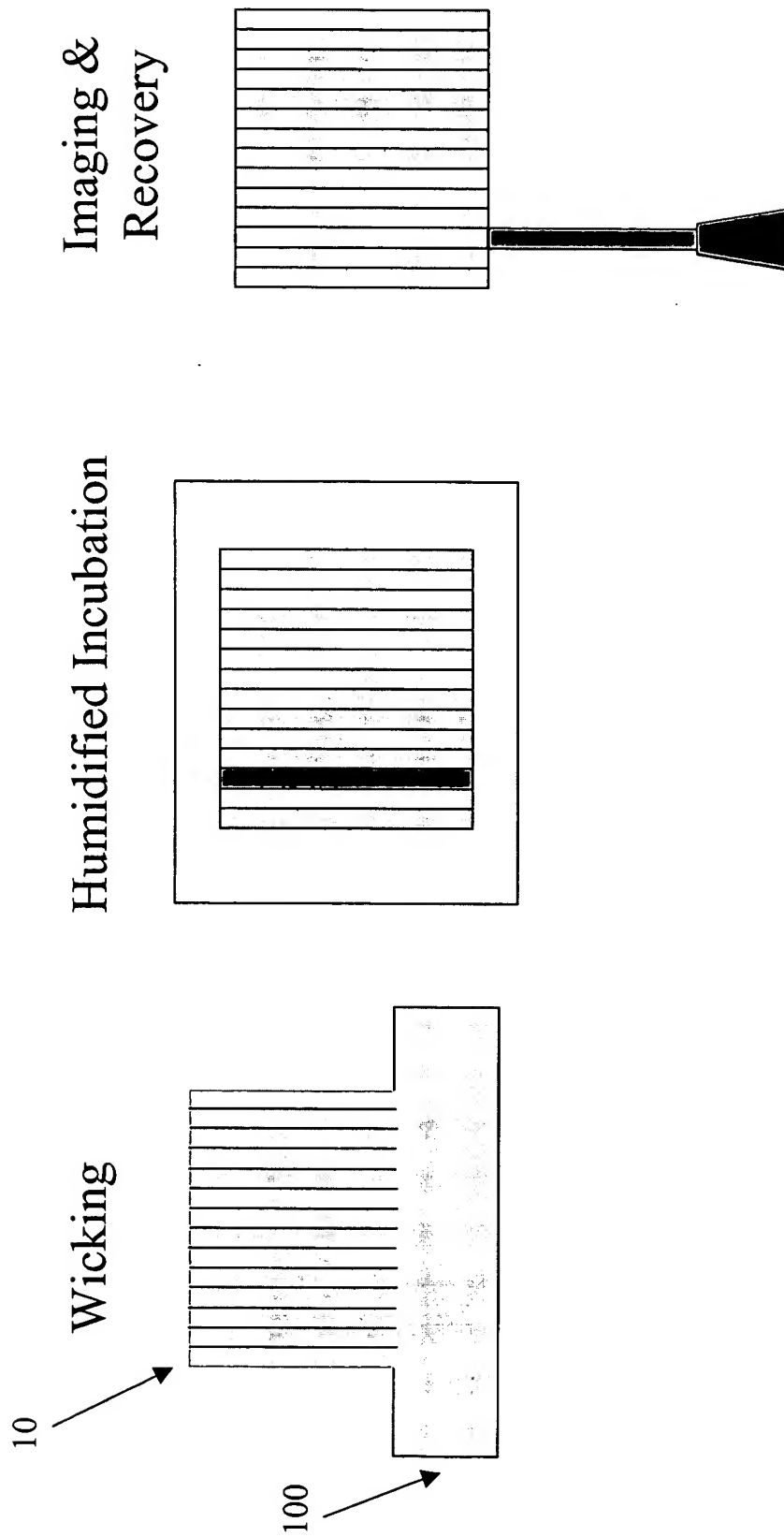


Fig. 10

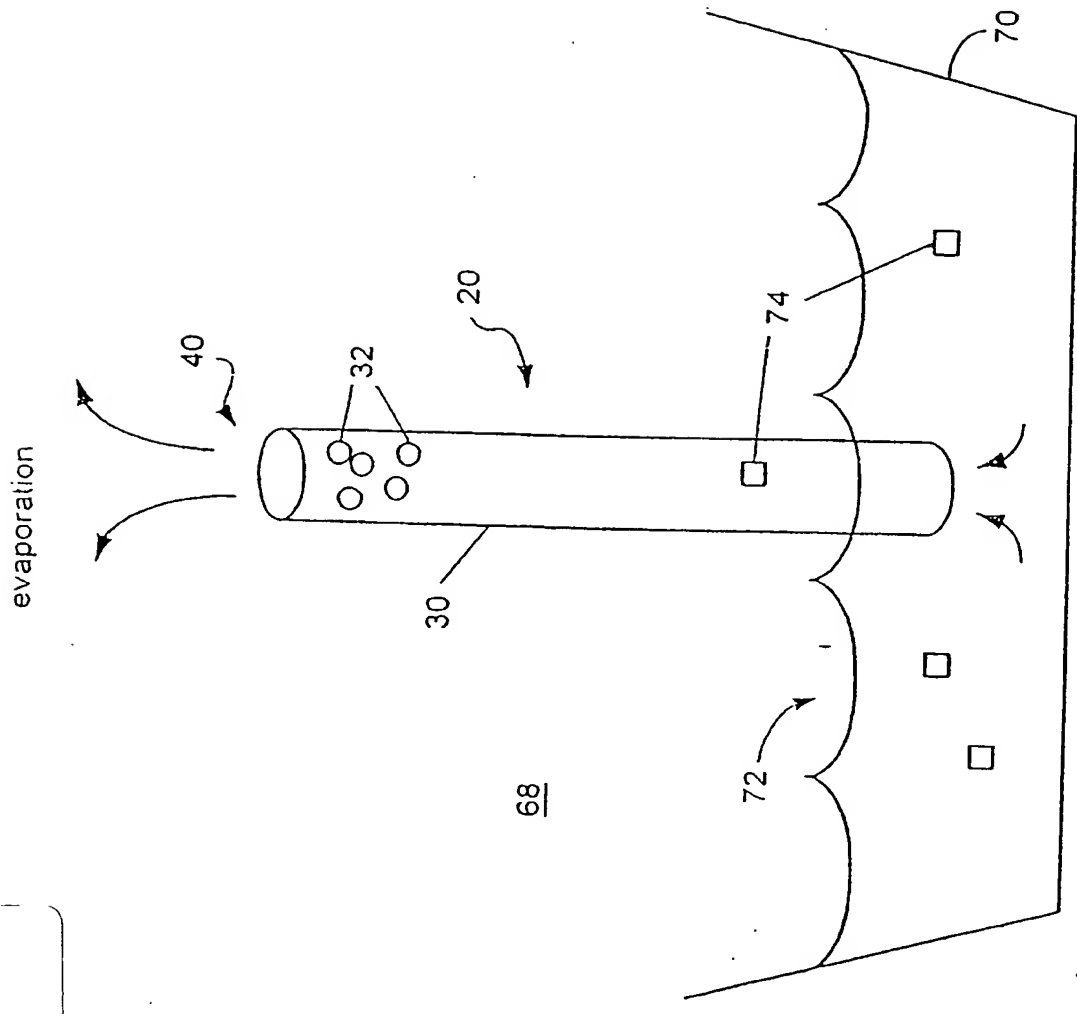


Figure 11

Figure  
12A

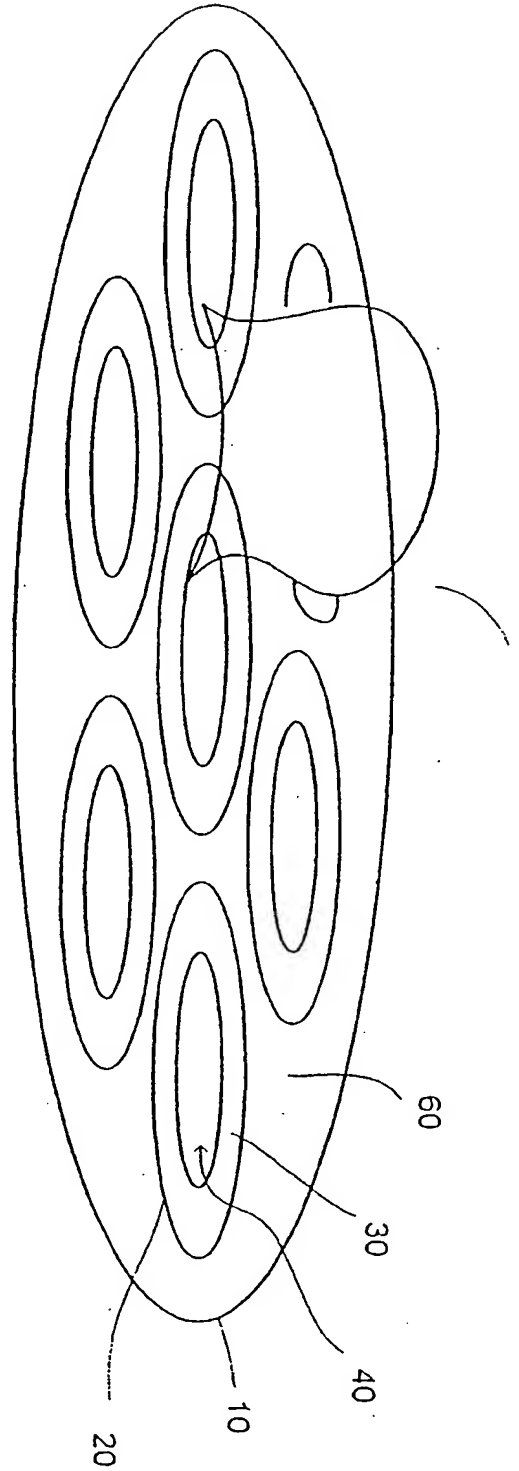
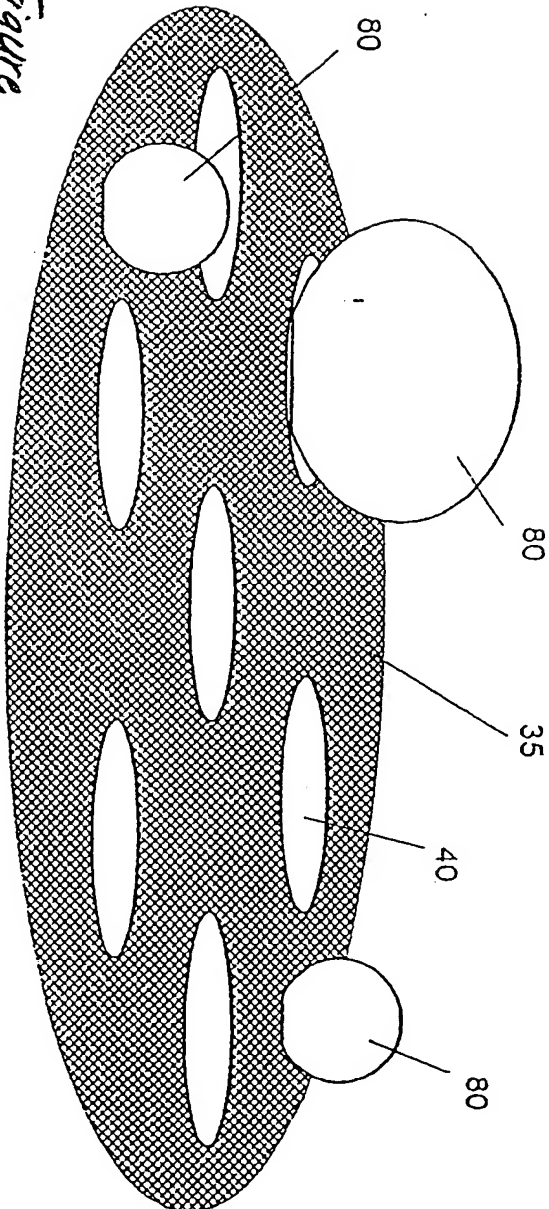


Figure  
12B



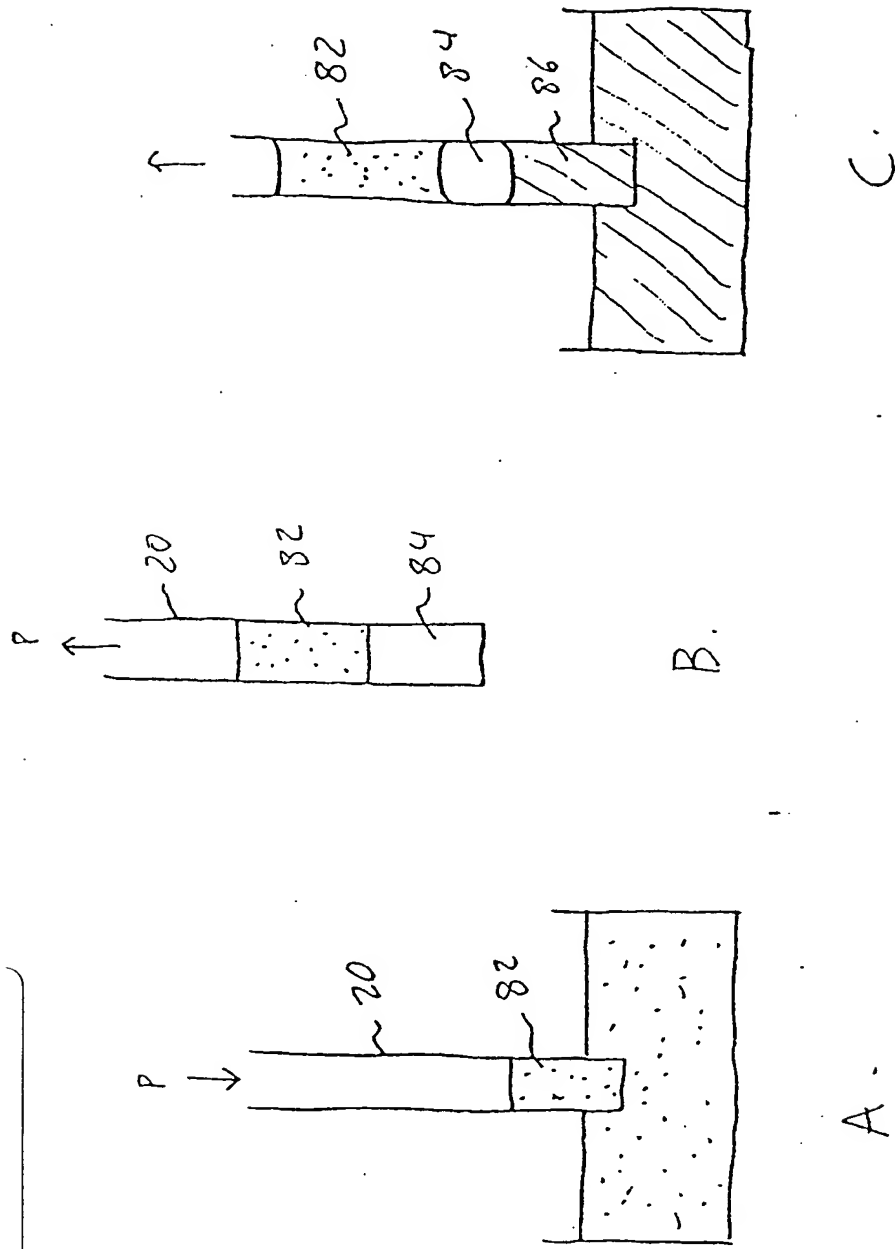


Figure  
13

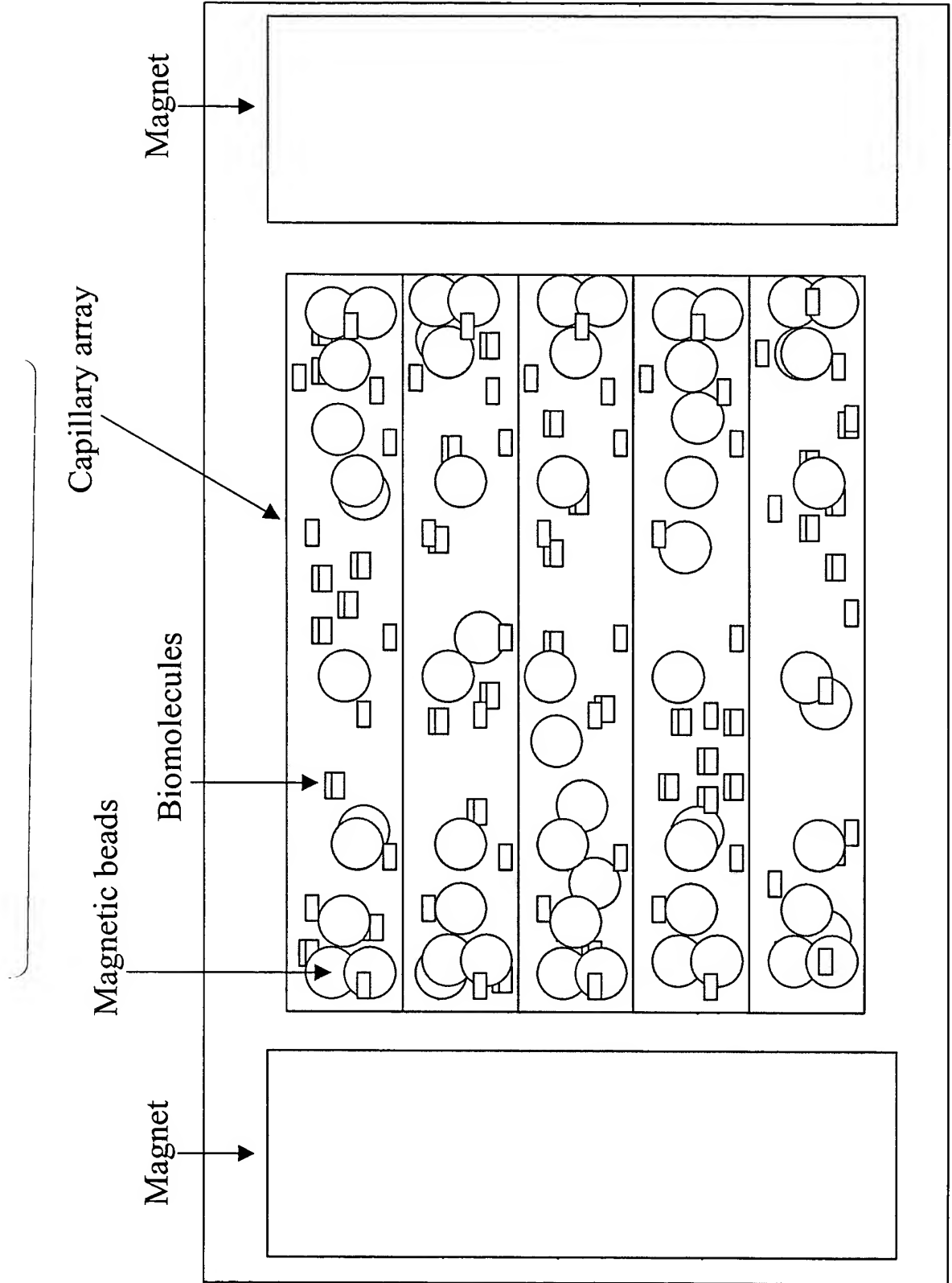


Fig. 14A

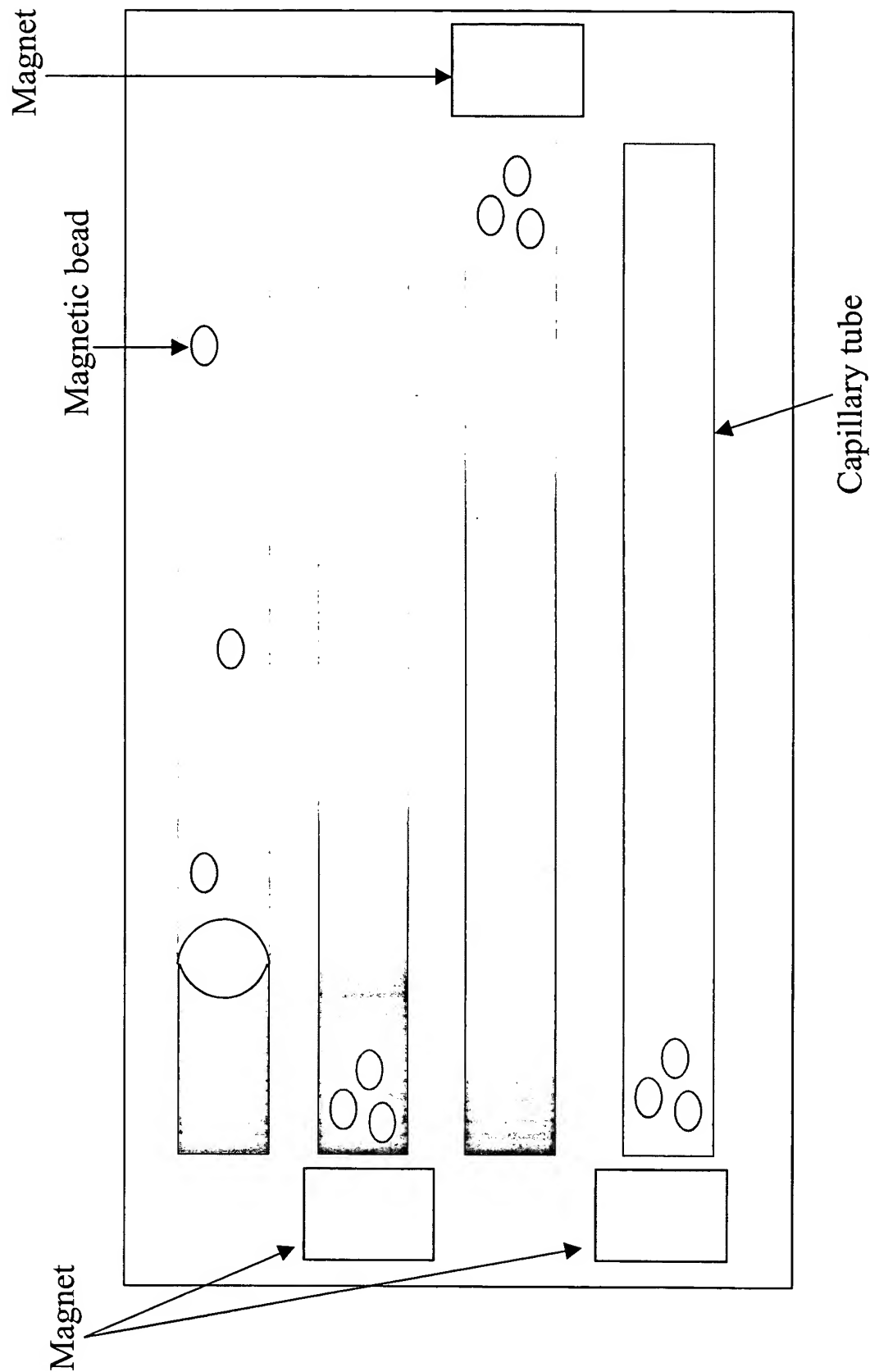


Fig. 14B



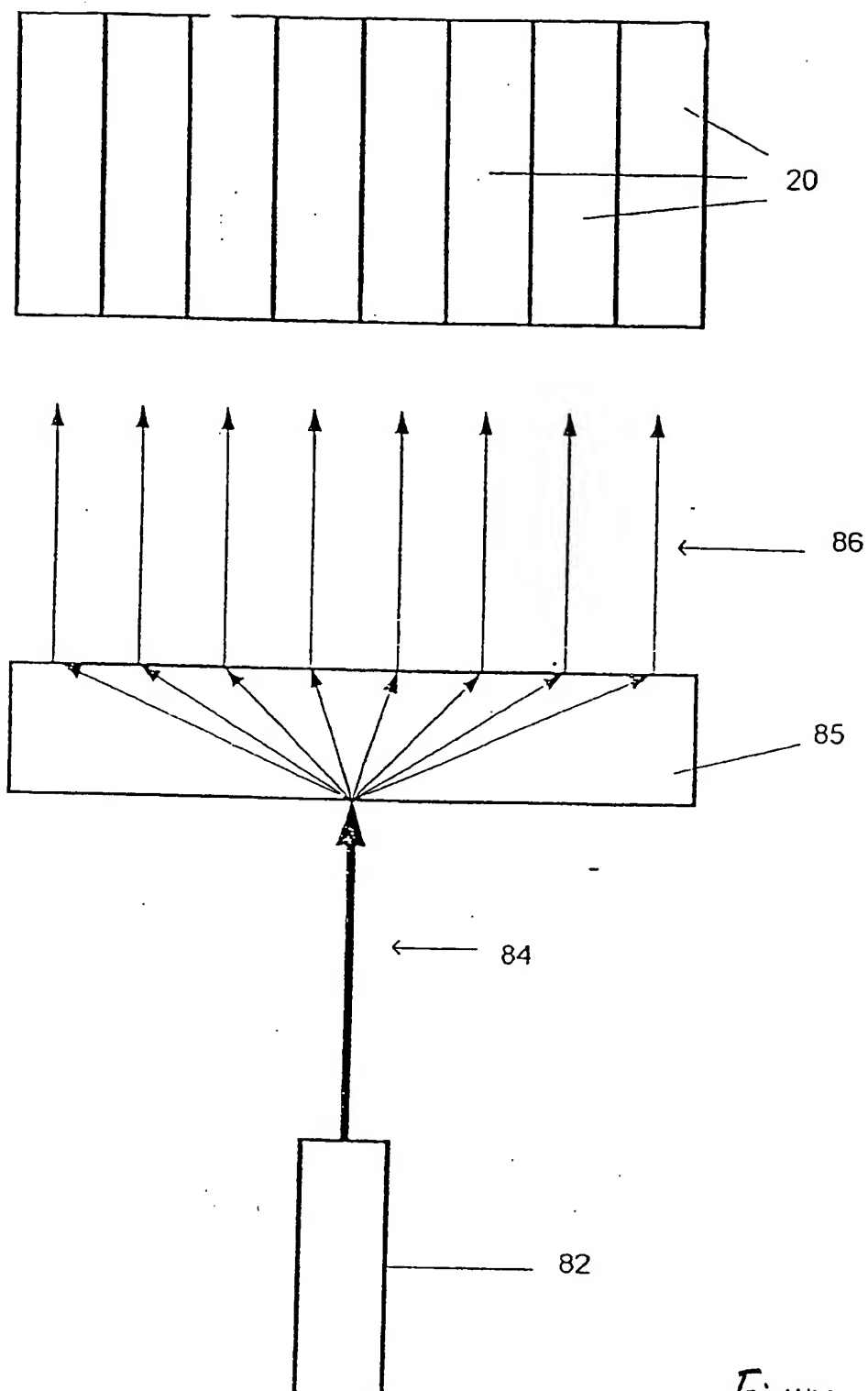
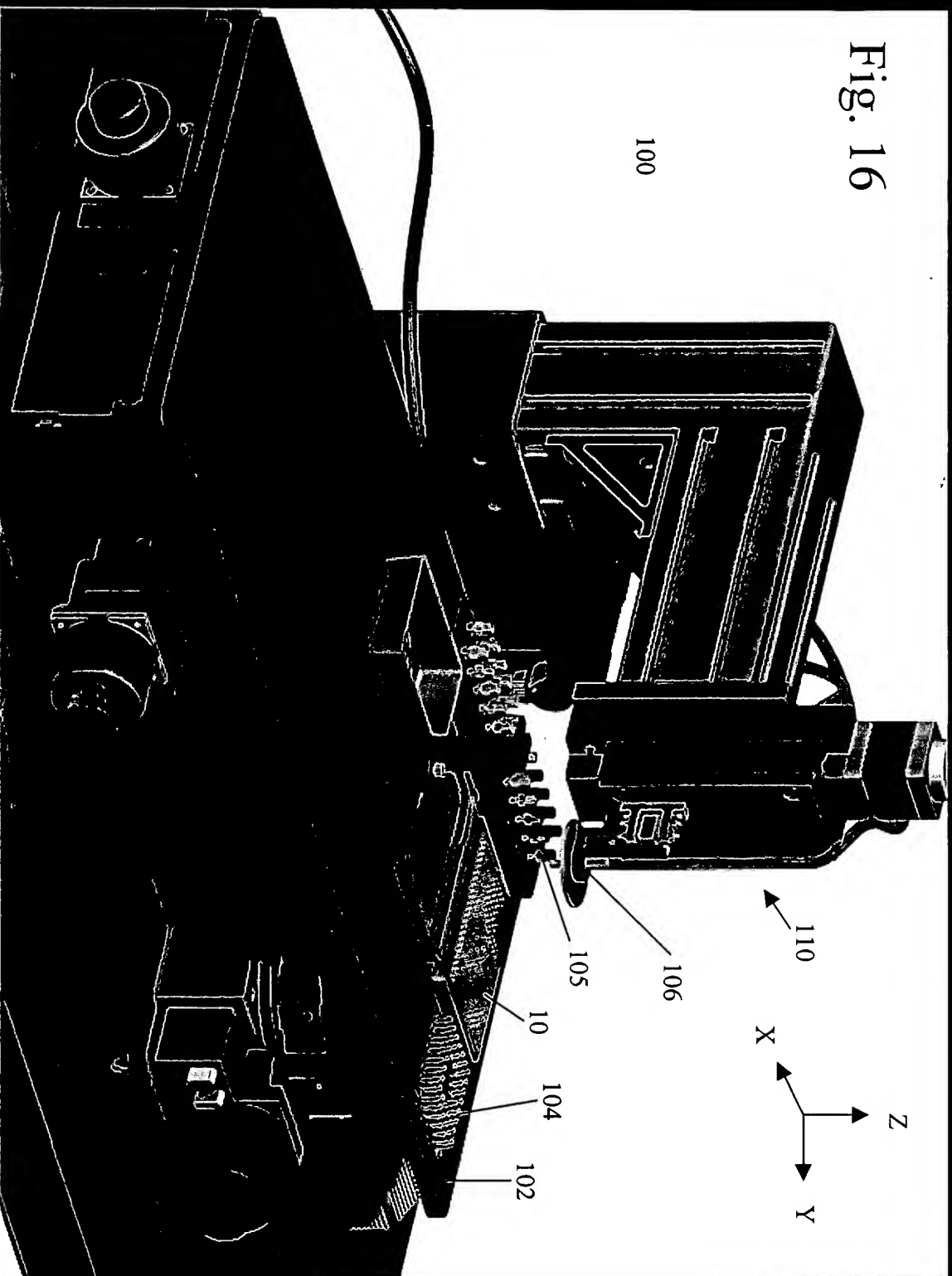


Figure  
15

# Automated Hit Detection & Recovery System

Fig. 16



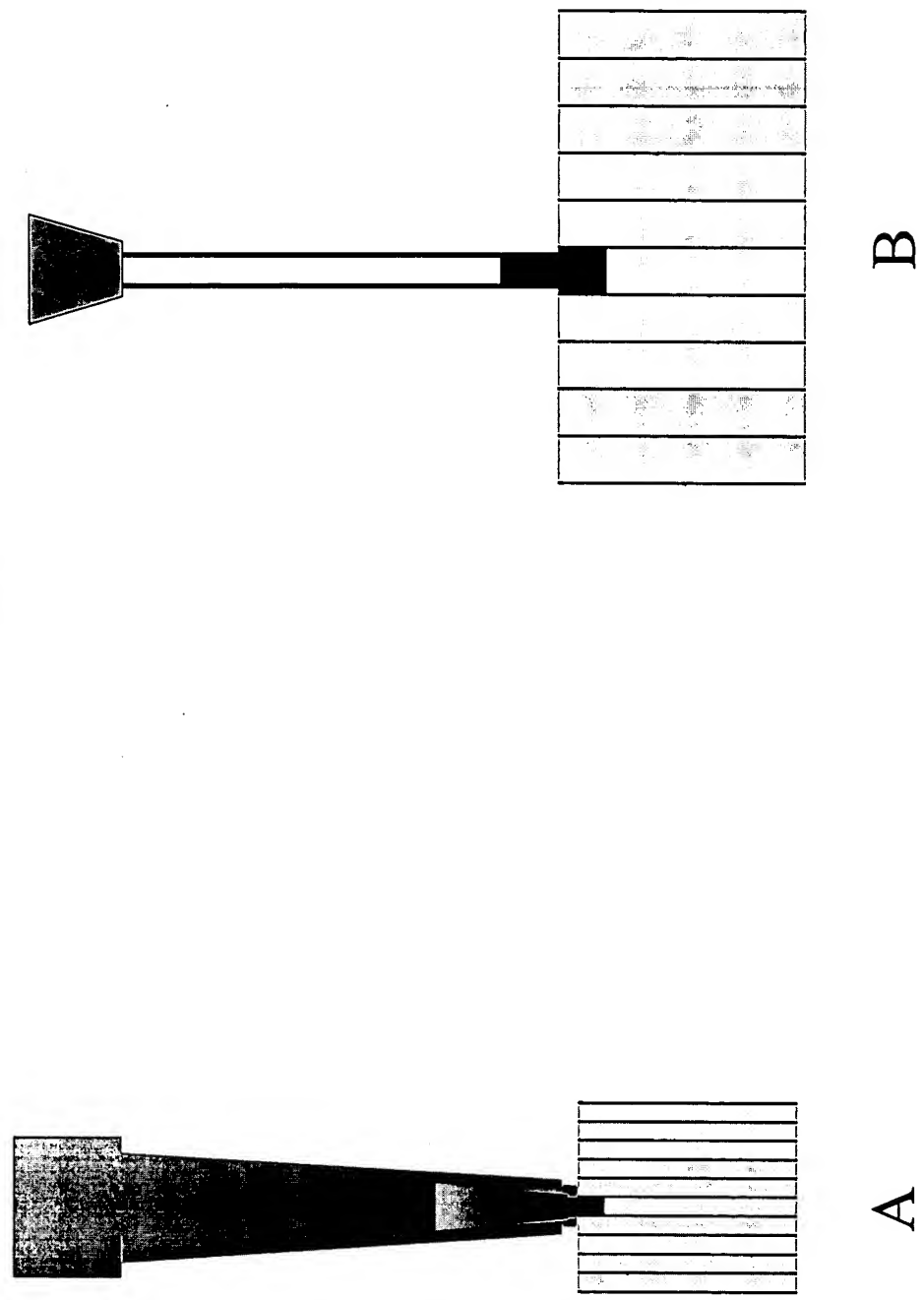


Fig. 17

[illegible]

Fig. 17C

Recovery Station

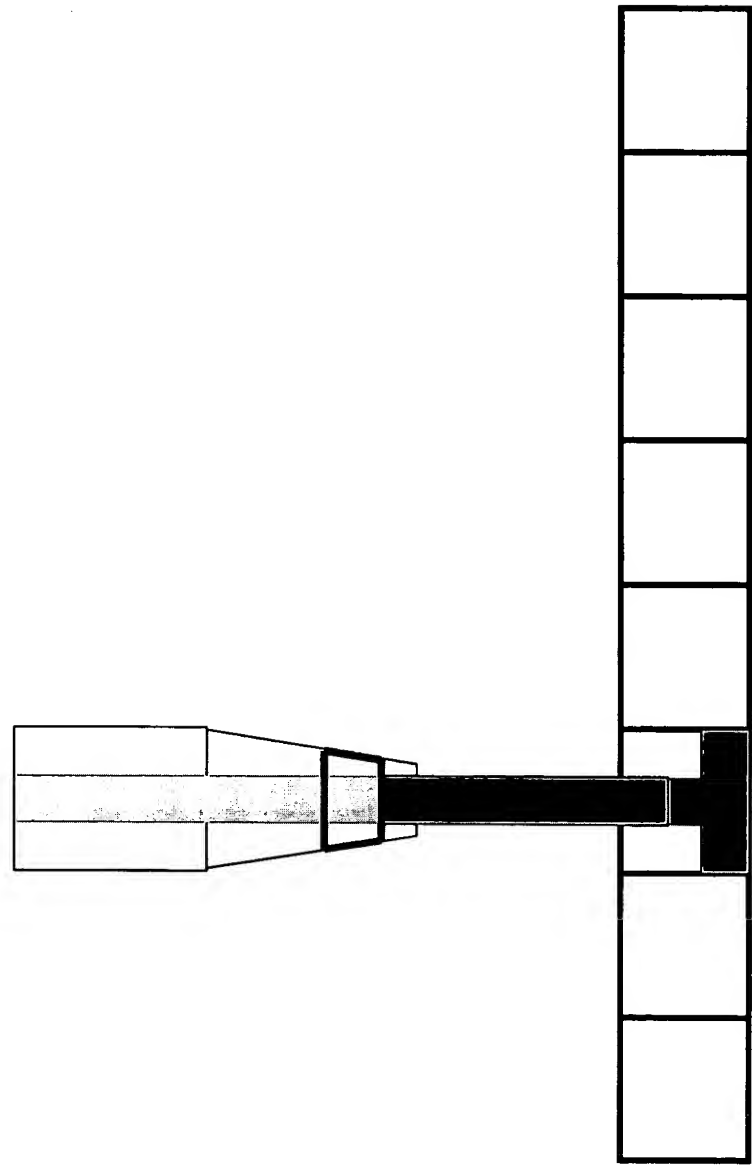


Fig. 17D

# HTP Enrichment of Low Copy Gene Targets

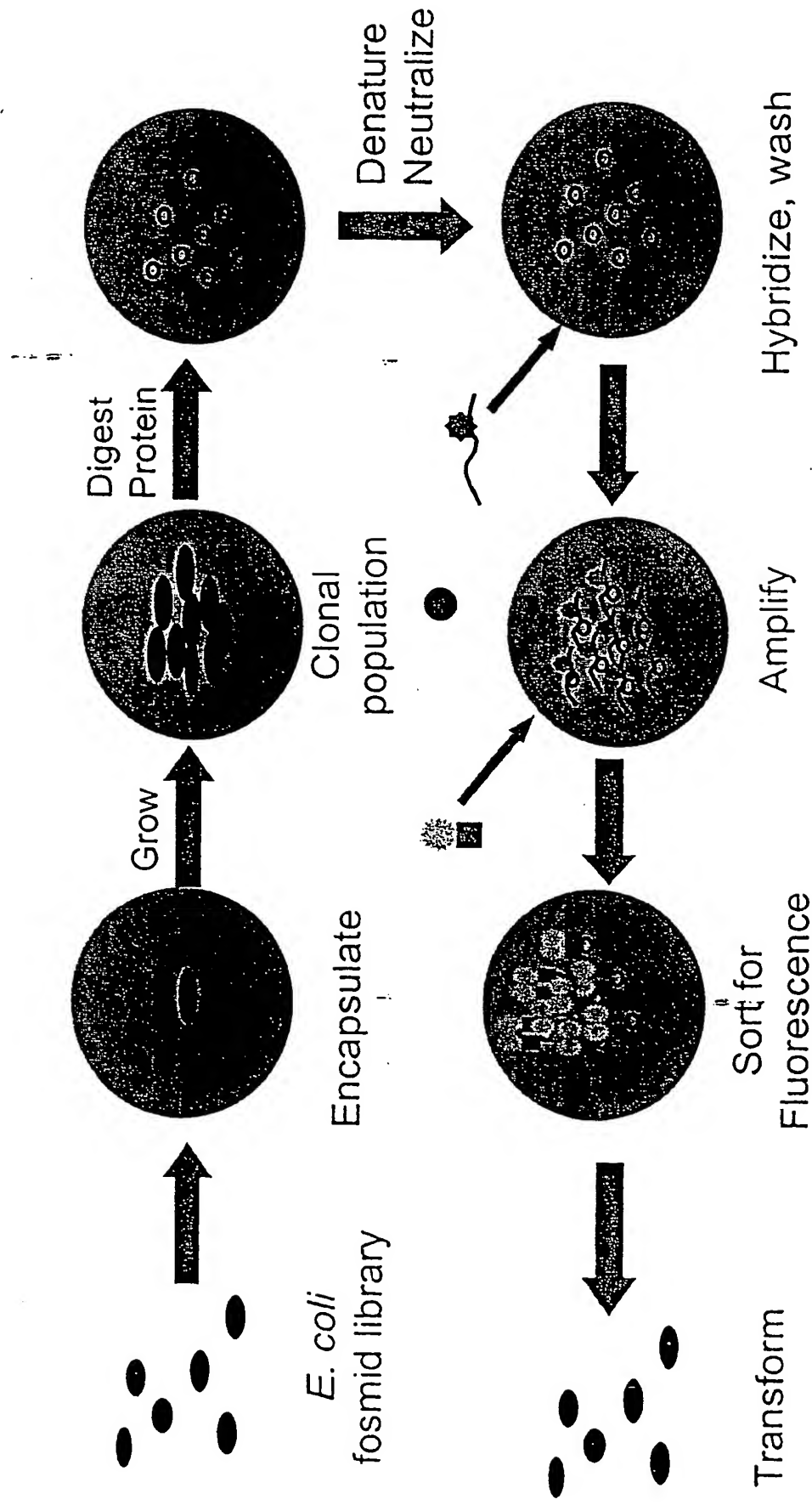
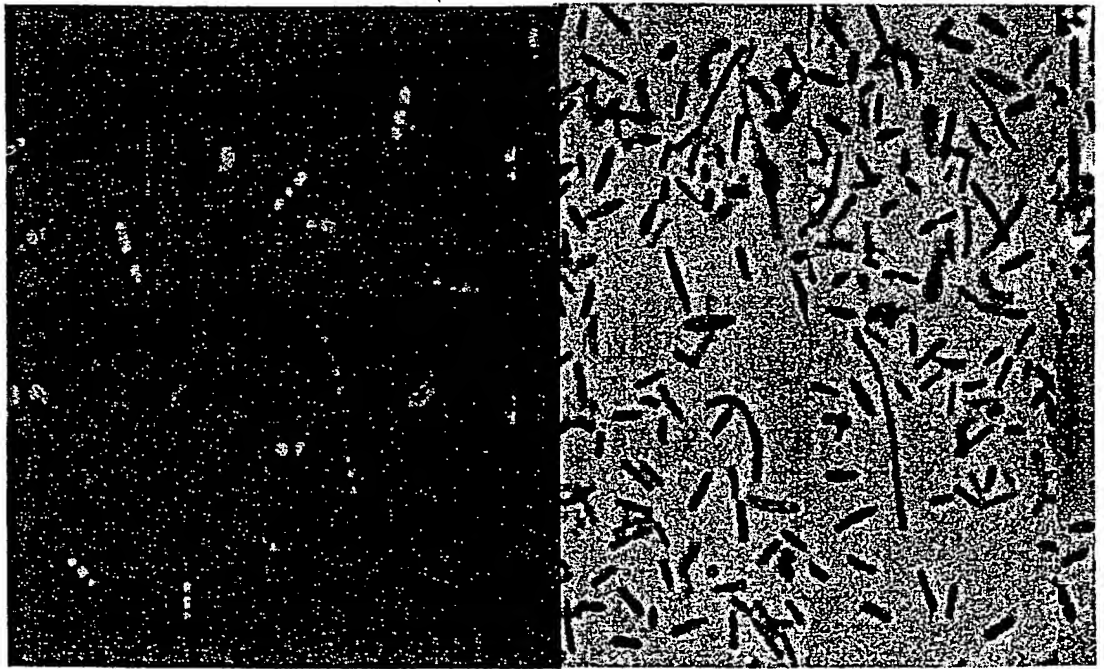


FIG. 18



# Whole Cell Hybridization

Library 557 + 95ES11 clone  
Probe: Fluorescein-95ES11



Fluorescein  
Excitation

White  
light

FIG. 20



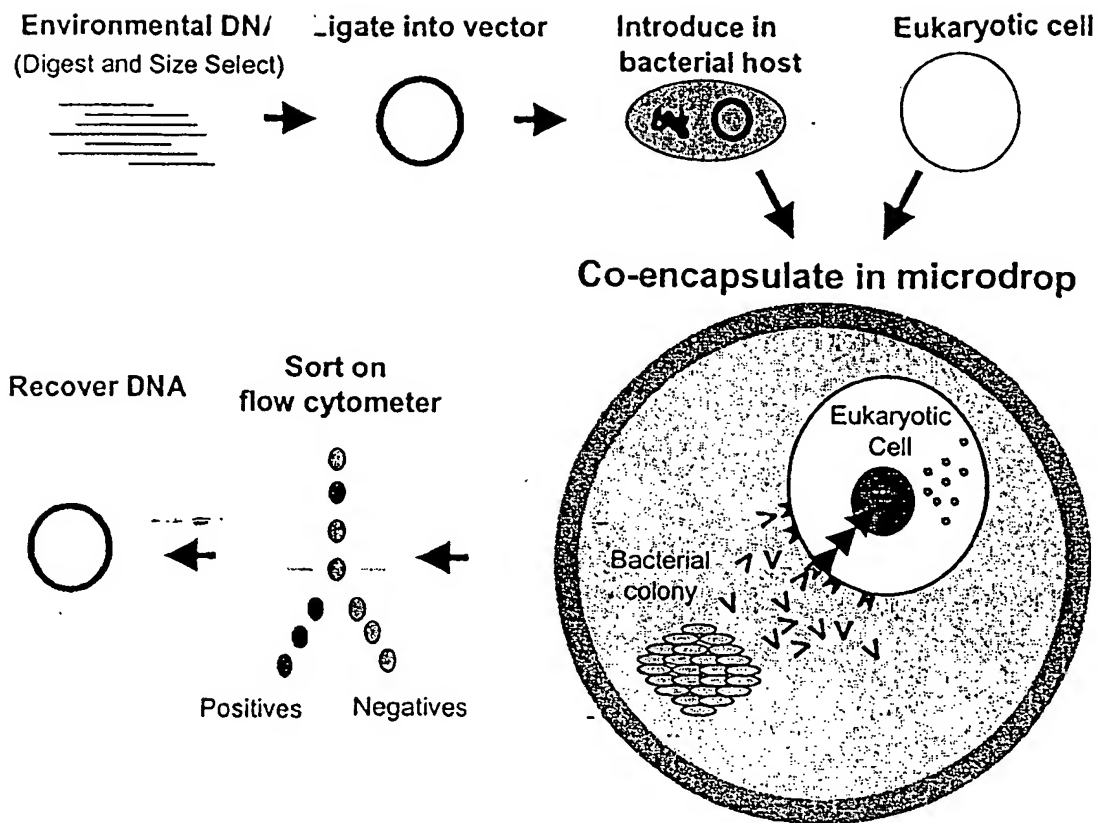


FIG. 21

# Whole Cell Hybridization Protocol

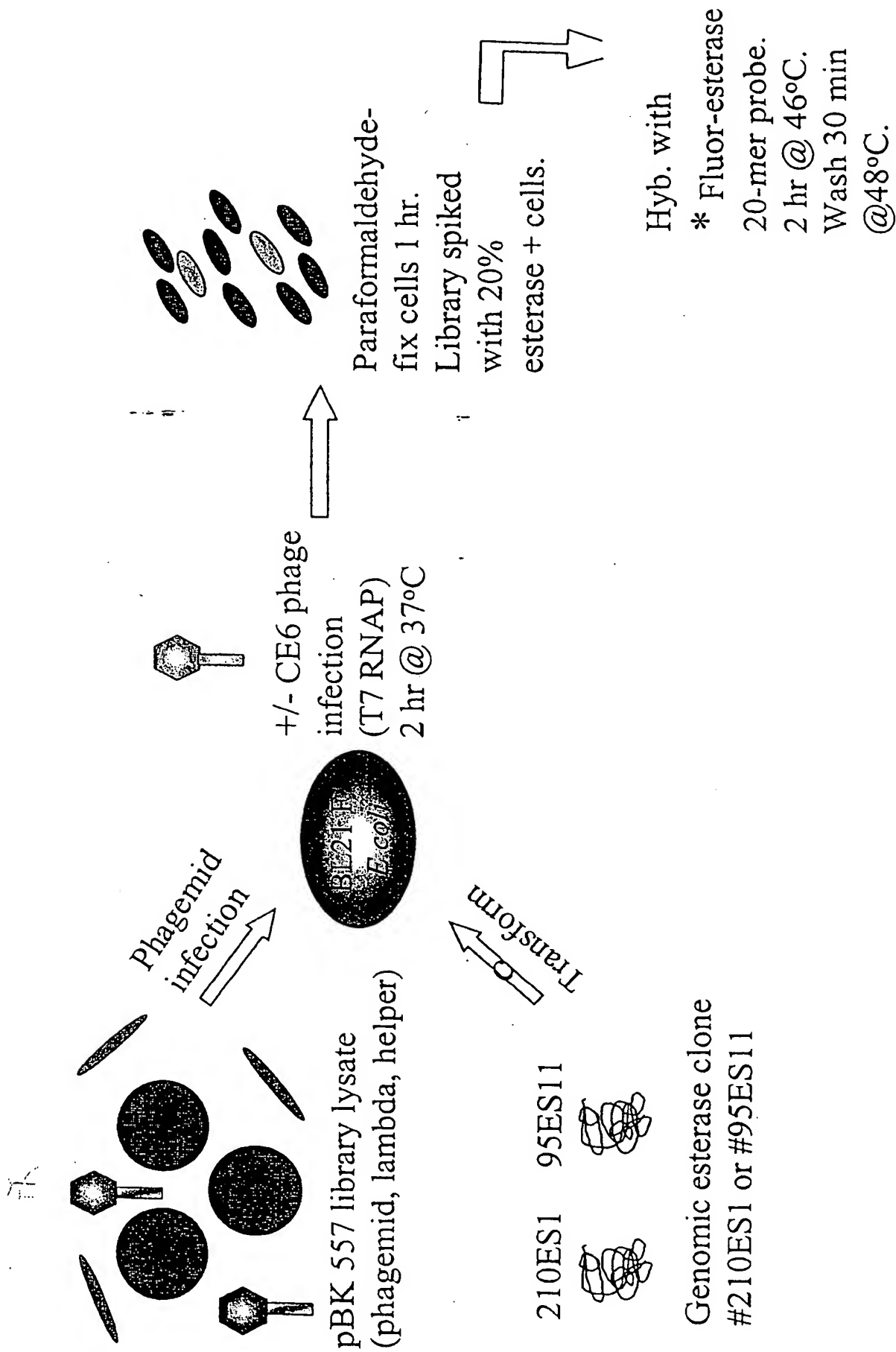


FIG. 22

# T7 RNA Polymerase Expression System

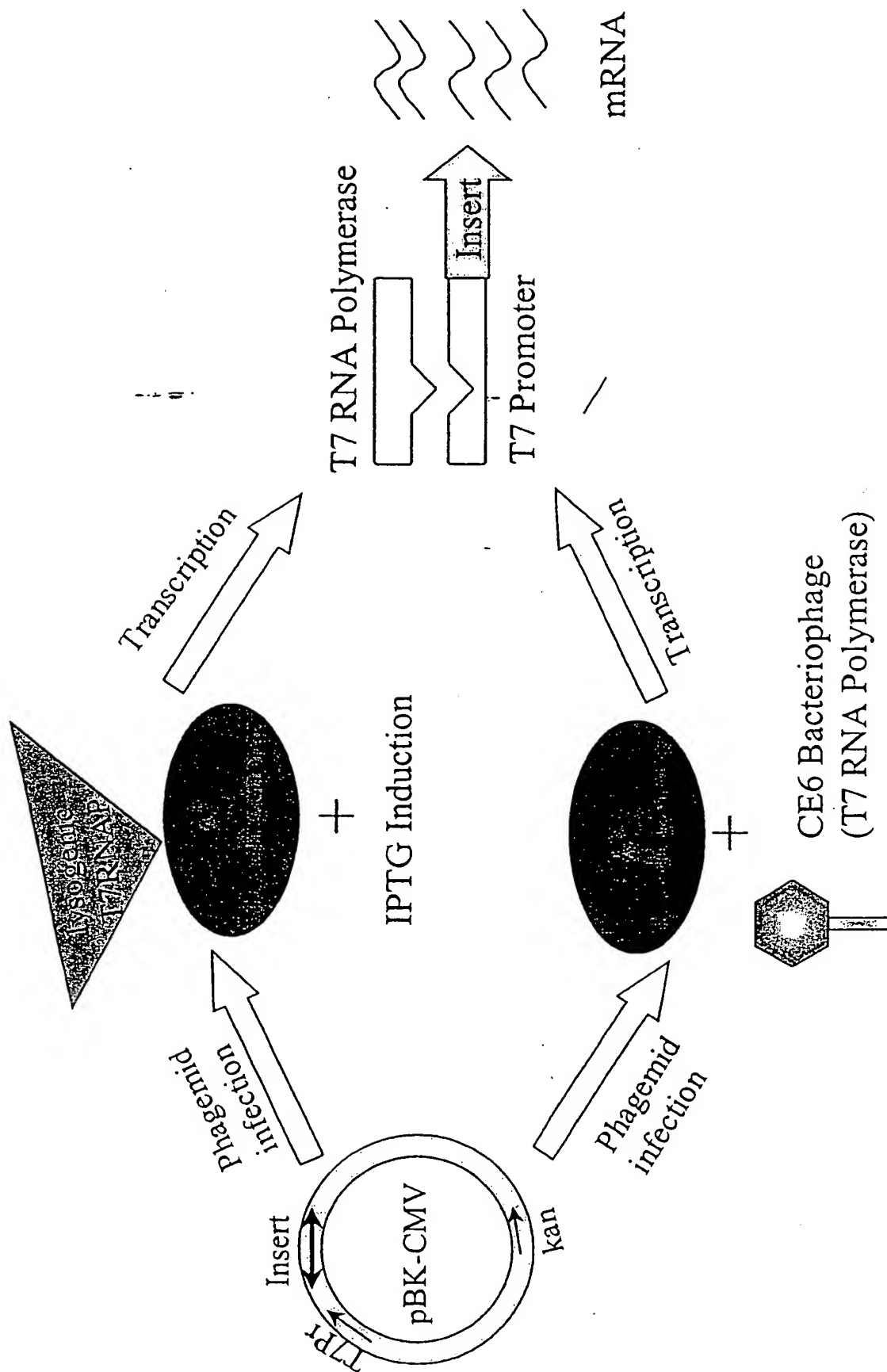


FIG. 23

Figure 24

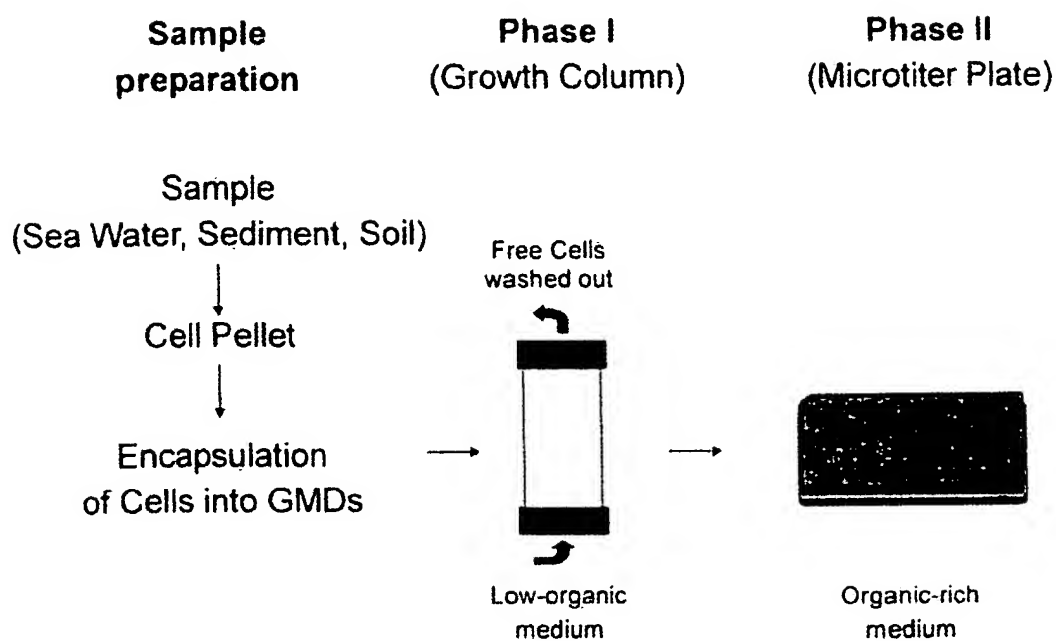


Fig. 24

Figure 25

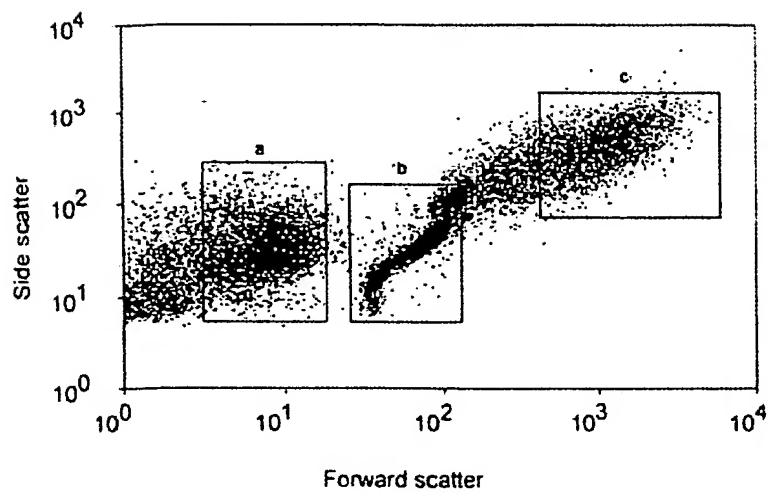


Fig. 25

Figure 26

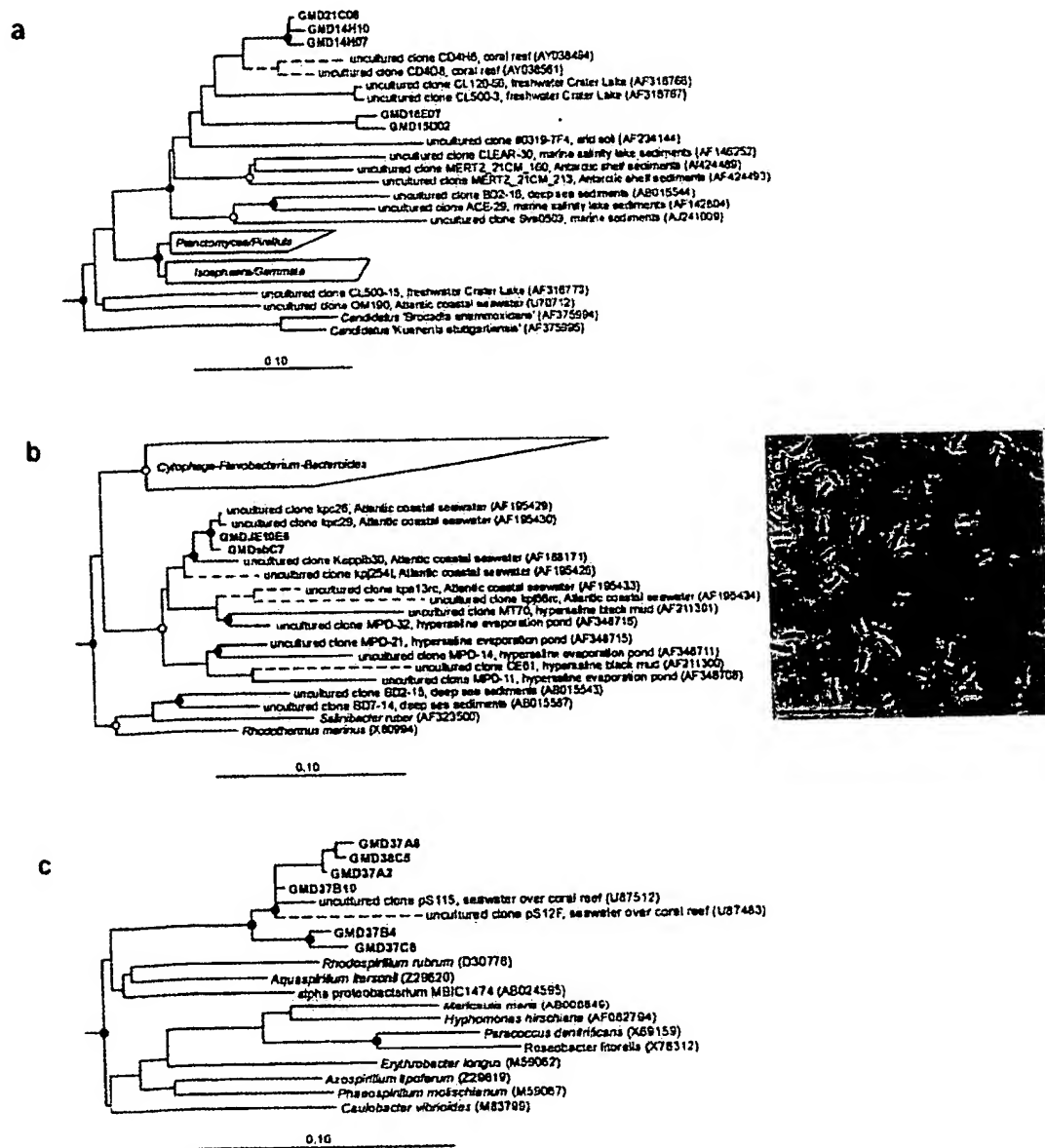


Fig. 26

The diagram illustrates the isolation of a Fab clone from a bacterial colony using a gel microdrop (GMD). The process is shown in two stages:

- Initial Setup:** A bacterial colony (not to scale) is shown on the left. A gel microdrop (GMD) is formed on the right, containing agarose. The GMD is initially empty.
- Isolation Process:** The bacterial colony is shown on the left. A gel microdrop (GMD) is formed on the right, containing agarose. The GMD is initially empty.

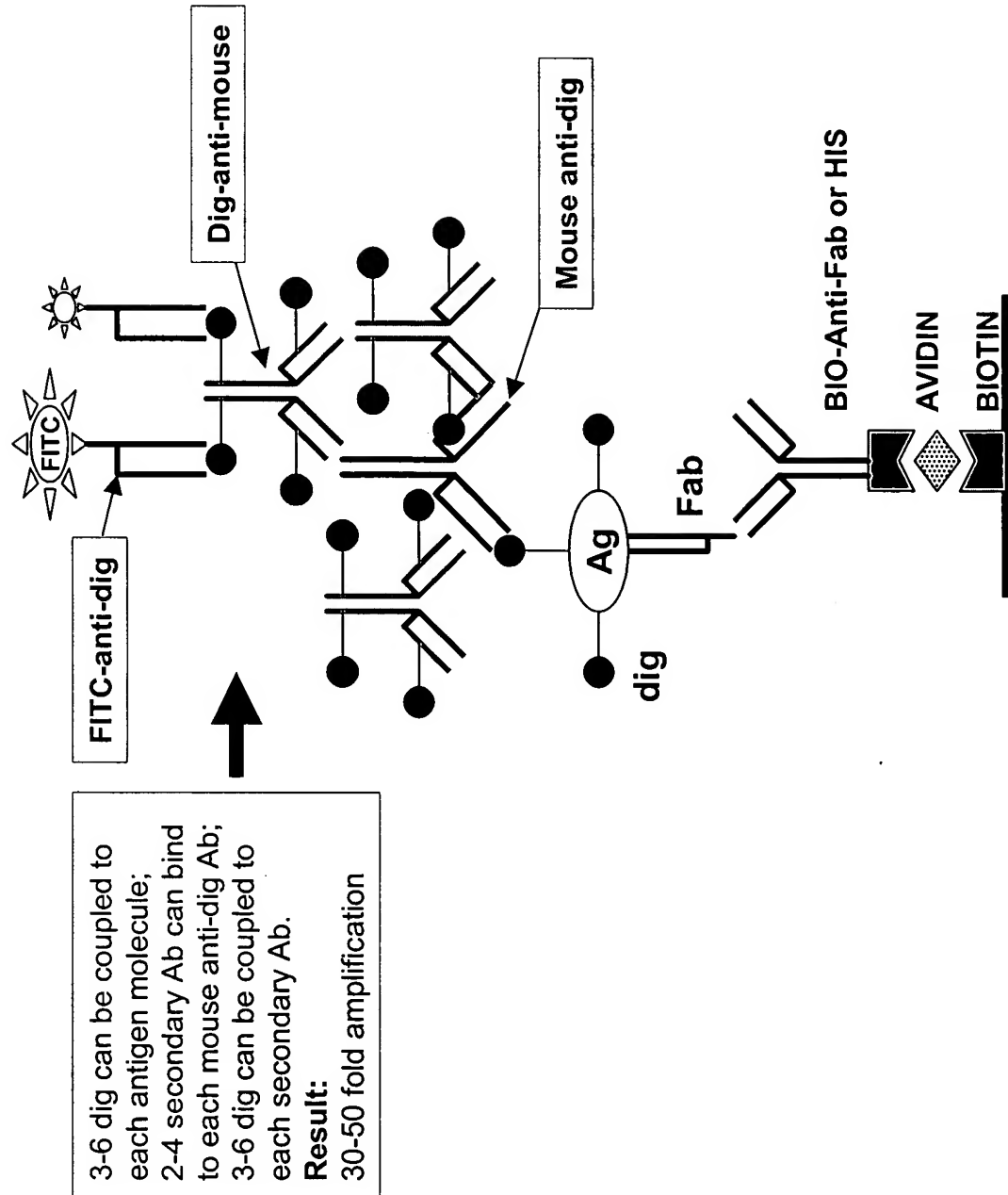
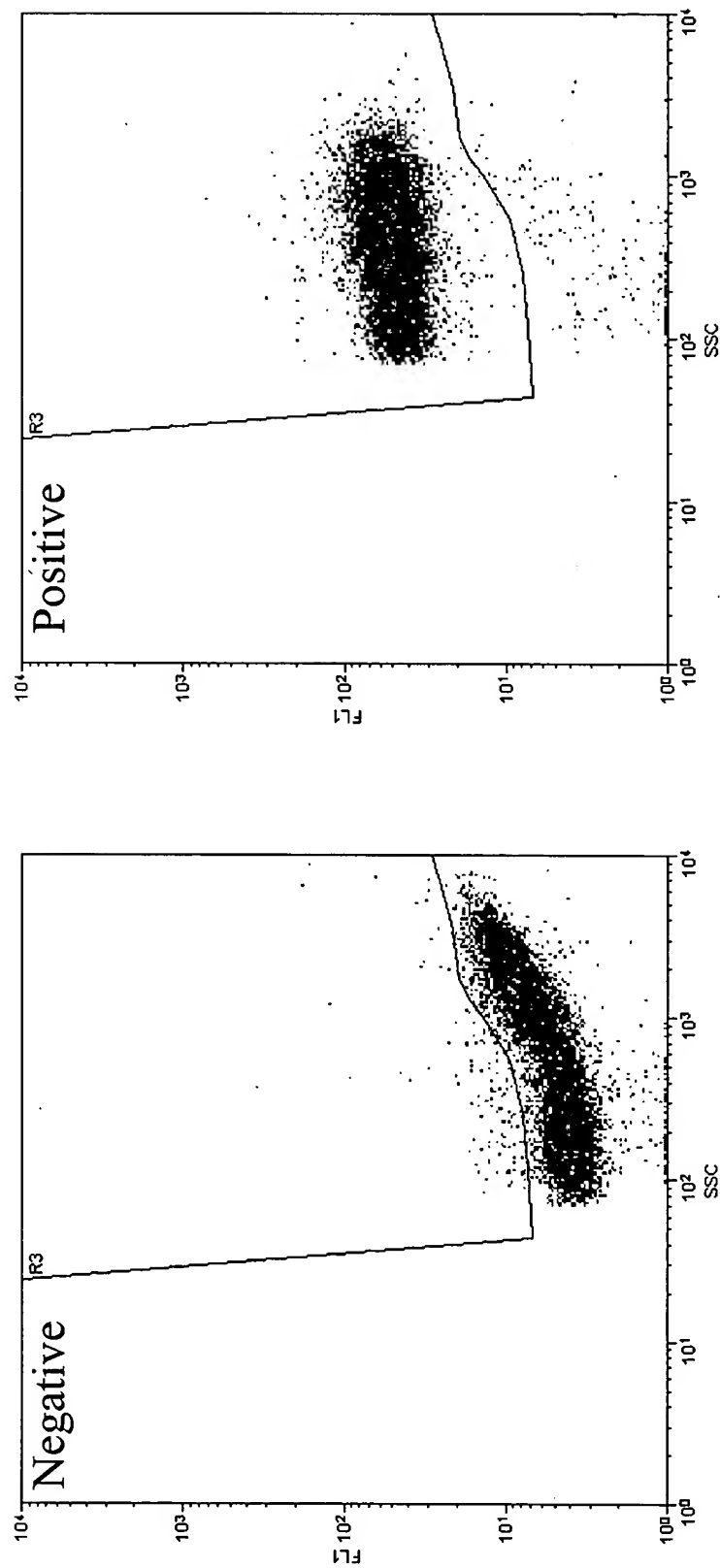


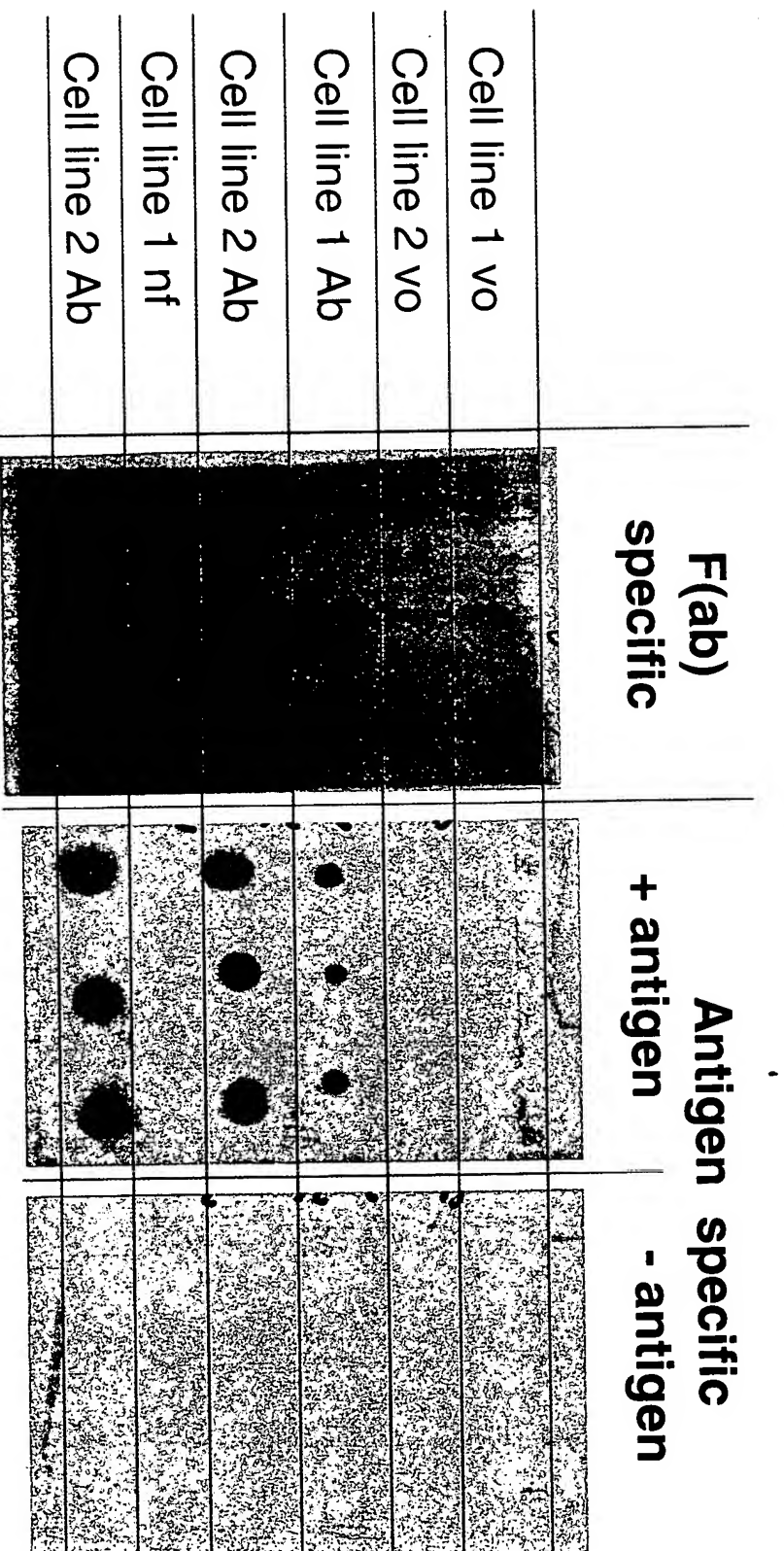
Fig. 28



**Fig. 29**



**Fig. 30**





***Fig 31***